

FIG. 1

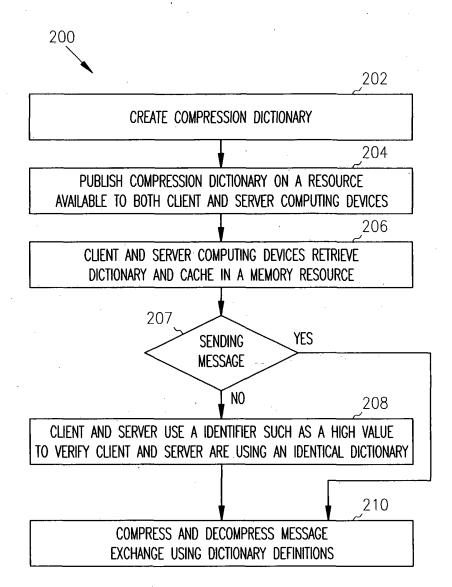


FIG. 2

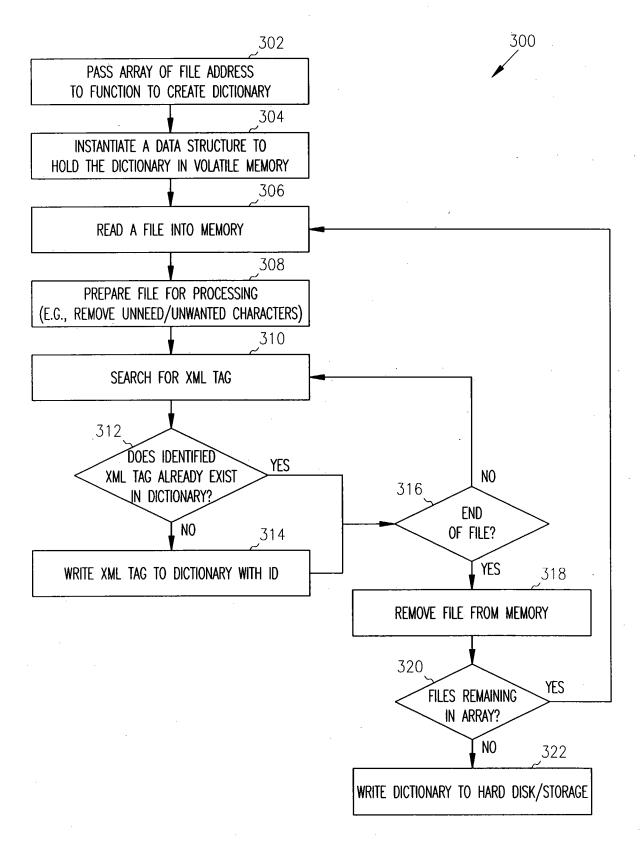


FIG. 3

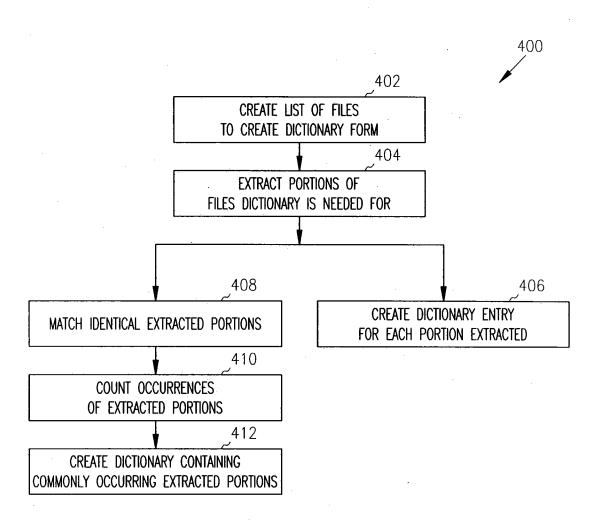
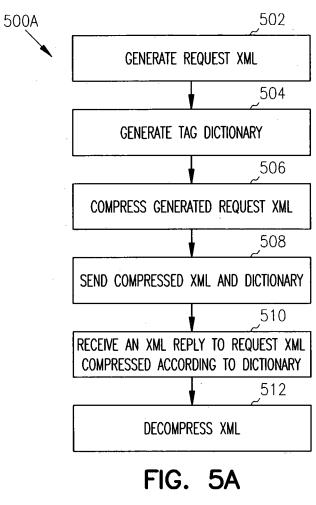


FIG. 4



RECEIVE AN XML REQUEST

522

PROCESS XML REQUEST TO
OBTAIN AN XML REPLY

524

GENERATE DICTIONARY BASED ON EITHER
OR BOTH THE REQUEST AND REPLY

526

COMPRESS REPLY BASED ON DICTIONARY

528

SEND COMPRESSED REPLY AND DICTIONARY

FIG. 5B

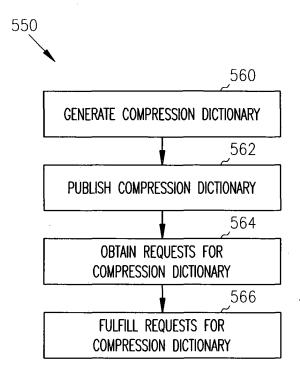
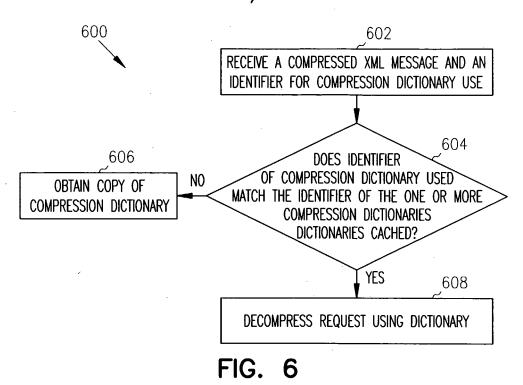


FIG. 5C



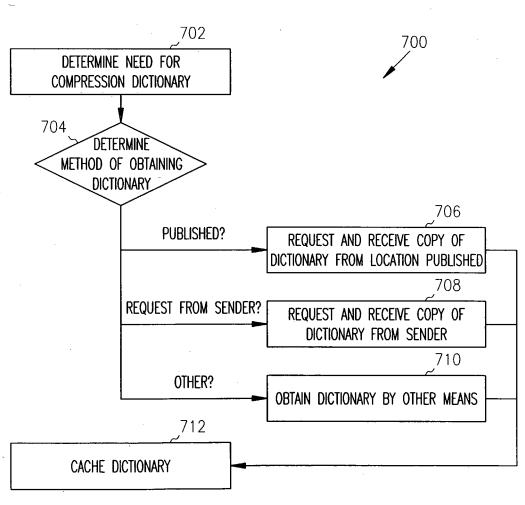


FIG. 7

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SEARCH DOCUMENT FOR OCCURRENCES
OF XML TAGS IN COMPRESSION DICTIONARY

804

REPLACE OCCURRENCES OF XML TAGS WITH CHARACTER
CODE FROM COMPRESSION DICTIONARY

FIG. 8

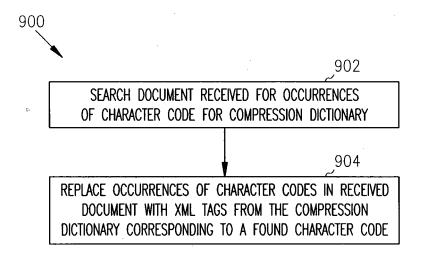


FIG. 9

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```
<AddDocumentByReference xmlns="http://www.pwg.org/ps/20030321/">
                                                                                                                                                                                                                                                               <jobURI>urn: uuid: a2b21e20aba5-4bae-8129-0f8cd3c89a45</jobURI>
                                                                             xmlns:soapenv=http://schemas.xmlsoap.org/soap/envelope,
                                                                                                                                                   xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
                                                                                                                                                                                                                                                                                                             <reference>http://www.pwg.org/ps</reference>
                                                                                                             xmlns:xsd=http://www3.org/2001/XMLSchema
                                                                                                                                                                                                                                                                                                                                          <documentDescription xsi:nil="true"/>
                                                                                                                                                                                                                                                                                                                                                                                  <documentProcessing xsi:nil="true"/>
<?xml version="1.0" encoding="UTF-8"?>
                                                                                                                                                                                                                                                                                                                                                                                                                          </AddDocumentByReference>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      soapenv:Envelope>
                                         <soapenv:Envelope</pre>
                                                                                                                                                                                                                                                                                                                                                                                                                                                               </soapenv:Body>
                                                                                                                                                                                           <soapenv:Body>
```

FIG. 10A

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xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> xmlns:xsd="http://www.w3.org/2001/XMLSchema" <soapenv:Body>

xmlns soapenv="http://schemas.xmlsoap.org/soap/envelope/"

encoding="UTF-8"?>

<?xml version="1.0"</pre>

<soapenv: Envelope

<AddDocumentByReference xmlns="http://www.pwg.org/ps/20030321,</pre>

<joburi>

<re><re><re><re></re></re> </j>

</re>

<documentDescription xsi:nil="true"/> B08702

xsi:nil="true", <documentProcessing</pre>

</AddDocumentByReference> дυ

soapenv:Envelope> soapenv: Body

01234{urn:uuid:a2b21e20-aba5-4bae-8129-0f8cdc89a45}56{http://www.pwg.org/ps}789ABC

FIG. 10C

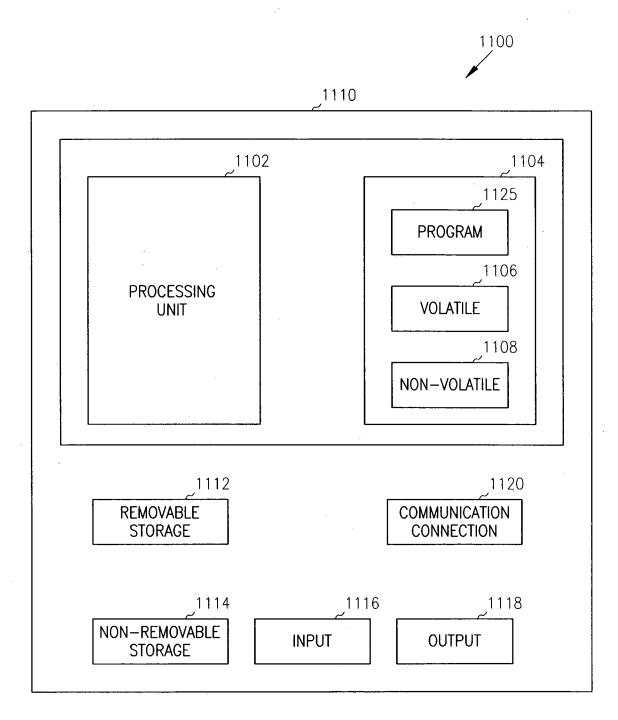


FIG. 11